

PATENT

Docket Number

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Date: August 27, 2001 Techno

Technology Center 2600

Baum, Kevin

Attorney Docket No.: CR00254M

Serial No.: 09/886,628

In re application of:

Art Unit: 2681

Date of Deposit

Filing Date: June 21, 2001

Examiner: Unassigned

For: METHOD AND SYSTEM FOR INTERFERENCE AVERAGING IN A

WIRELESS COMMUNICATION SYSTEM

CERTIFICATE OF MAILING

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO:

ASSISTANT COMMISSIONER FOR PATENTS

WASHINGTON, D.C. 20231, ON:_

August 24, 2001

MOTOROLA INC.

Name of Assignee

SIGNATURE

DATE

INFORMATION DISCLOSURE STATEMENT (IDS)

Assistant Commissioner For Patents Washington, D.C. 20231

SIR:

In accordance with 37 C.F.R. §1.56 and in compliance with 37 C.F.R. §§1.97 and 1.98, the references listed on attached Form PTO/SB/08 and/or subsequently identified herein, are being submitted herewith for consideration by the United States Patent and Trademark Office.

I. COPIES

a. A legible copy of (i) each U.S. and foreign patents; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed, is included herewith.

	b.[Any patents, publications or other information PTO/SB/08 which are not enclosed herewith were submitted to the PTO in one of the following applicately relied upon for an earlier filing date under 35 U.S.C.	previously cited by or cations which has been
		U.S. Serial Number	U.S. Filing Date
II.	CONC	ISE EXPLANATION OF THE RELEVANCE (check	at least one box)
	a. 🛚	Except as may be indicated below in (b) of this sect publications or other information are in the Engle explanation not required).	-
	b. 🗌	A concise explanation of the relevance of all patents information listed that is not in the English language	•
	c. 🗌	The following additional information is provided consideration:	
Ш. []	The Exsubject (these)	S REFERENCE TO RELATED APPLICATION(S) caminer is advised that the following co-pending applications to the Examiner's attention, Applications to the Examiner's attention, Application confidentiality provisions of 35 U.S.C. §122.	plication(s) contain(s) ion. By bringing this
	Serial	No. Filing Date	Art Unit
		<u>FEES</u>	
IV. 🖂	THIS I	IDS IS BEING FILED UNDER 37 C.F.R. §1.97(b):	(check one box)
	a. 🛛	within three months of the filing date of a nat	
		C.F.R. §1.97(b)(1)). No fee or statement is required	d.
	b	within three months of the date of entry of the nation § 1.491 in an international application (37 C.F.	•
	۰. 🗆	fee or statement is required.	the morite (27 C F D
	c	before the mailing date of a first Office Action on §1.97(b)(3)). No fee or statement is required. In	•
		Office Action on the merits has been issued, plea	
		under 37 C.F.R. §1.97(c) and see the statement und	
		provided below, or if no statement has been r	• , ,
		account 13-4771 the fee set forth in 37 C.F.R. §1.1	_ •

V. 🔲	THIS I	IDS IS BEING FILED UNDER 37 C.F.R. §1.97(c): (check one box)
	before	the mailing date of either a Final Office Action under 37 C.F.R. §1.113
	(See 3	7 C.F.R. §1.97(c)), or a Notice of Allowance under 37 C.F.R. §1.311 (See
	`	T.R. §1.97(c)).
	a. 🗍	No statement; therefore, charge deposit account 13-4771 the fee set forth
		in 37 C.F.R. §1.17(p).
	b. 🔲	See the statement below. No fee is required.
VI. 🗌	THIS	IDS IS BEING FILED UNDER 37 C.F.R. §1.97(d):
	on or b	pefore payment of the issue fee and is accompanied by the following:
	1)	a statement under 37 C.F.R. §1.97(e) as provided below;
	2)	Applicant(s) hereby a petition for consideration of this information
	,	disclosure statement; and
	3)	charge deposit account 13-4771 the petition fee set forth in §1.17(i).
VII.	Statem	nent under 37 C.F.R. §1.97(e) (check only one box)
	The ur	ndersigned hereby states that
	a. 🗍	each item of information contained in the IDS was cited in a
		communication from a foreign Patent Office is a counterpart foreign
		application not more than three months prior to the filing of IDS; or
	b.	no item of information contained in the IDS was cited in a
	_	communication from a foreign Patent Office in a counterpart foreign
		application, and to knowledge of the person signing the statement after
		making reasonable inquiry, no item of information contained in the IDS
		was known to any individual designated in 37 C.F.R. 1.56(c) more than
		three months prior to the filing of this statement, or
	م م	some of the items of information contained in the IDS were cited in a
	c	communication from a foreign Patent Office. As to this information, the
		undersigned states that each item of information contained in the IDS
		was cited in a communication from a foreign Patent Office in a
		counterpart foreign application not more than three months prior to the
		filing of this IDS. As to the remaining information, the undersigned
		hereby states that no item of this remaining information contained in the
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PATENT Docket Number

information contained in the IDS was known to any individual designated in 37 C.F.R. 1.56(c) more than three months prior to the filing of this statement.

VIII.	PAYM	MENT OF FEES (check one box)
		A check in the amount of is enclosed for the above-
		identified fee(s).
		Please charge Deposit Account No. 13-4772 in the amount of \$240.00
		for the above-indicated fee(s).
	\boxtimes	If Applicant has overlooked any additional fees, or if any overpayment
		has been made, the Commissioner is hereby authorized to credit or debit
		Deposit Account 13-4772.
		Two Copies of this paper are attached for Deposit Account charges and
		debits.
only is prior a same of contact wrong	nt invent in the integrate or consistency obvious, If the control of the control	pplicants' opinion that the claims presently on file patently distinguish the tion from each of these references. The above references are being cited terests of candor and without any admission that they constitute statutory ontain matter which anticipates the invention or which would render the either singly or in a combination, to a person or ordinary skill in the art. Examiner has any questions concerning this IDS, he/she is requested to indersigned. If it is determined that this IDS has been filed under the he PTO is requested to consider this IDS under the proper rule (with a essary) and charge the appropriate fee to Deposit Account No. 13-4772.
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		Respectfully submitted, Kevin Baum
		Daniel W. Juffernbruch Attorney for Applicant(s) Reg. No. 33-122 Tel. 847-538-3129 PTO/SB/08 References Foreign Search Report Other:

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Substitute for form 144	9A/PTO		WIE.A	كالمناف	Complete if Known	SEP v 4 2001
				Application Number	09/886,628	
INFORMATION	DISCLOSU	ЛRE		Filing Date	06/21/2001	Technology Center 2600
STATEMENT B	Y APPLICA	NT		First Named Inventor	Kevin Baum	Technology center 2000
•				Group Art Unit	2681	
(use as many sheets as	necessary)			Examiner Name	TBA	
Sheet 1		of	2	Attorney Docket Number	CR00254M	

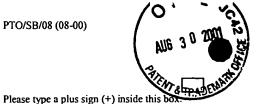
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Signature				Considered	L	 	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation, if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English Language Translation is attached.



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Substitute for for	m 1449A/PTO				Complete if Known RECFIVED
				Application Number	09/886,628
INFORMAT	ION DISCLOSU	JRE		Filing Date	6/21/2001 SEP 0 4 2001
STATEMEN	T BY APPLICA	NT		First Named Inventor	Kevin Baum
				Group Art Unit	2681
(use as many shee	ets as necessary)			Examiner Name	TBA lechnology Center 2600
Sheet	2	of	2	Attorney Docket Number	CR00254M
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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS								
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.						
		SHINSUKE HARA, "Design and Performance of Multicarrier CDMA System in Frequency-Selective Rayleigh Fading Channels", IEEE Transactions on Vehicular Technology, Vol. 48, No. 5, September 1999, pp. 1584-1595.						
		KEVIN L. BAUM, NIKHIL S. NADGAUDA, "A Comparison of Differential and Coherent Reception for a Coded OFDM System in a Low C/I Environment", IEEE Globecom, 1997, pp. 300-304.						

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